



INSTRUCTIONS FOR USE OF THE AR-3 ACOUSTIC SUSPENSION LOUDSPEAKER SYSTEM

Connection Between Amplifier and Speaker The AR-3 may be connected to the amplifier output terminals with ordinary insulated lamp cord. The AR-3 input terminals are 1 and 2; these should be connected to the amplifier terminals labeled "COM" and "4".

The speaker connecting wire may be run from one room to another; flat TV antenna wire is convenient for laying under rugs. The wire carries no high voltages.

Speaker Placement In monaural use, the AR-3 should, if possible, be placed at the junction of at least two surfaces, such as two walls. In many rooms optimum placement of the AR-3 is cater-cornered (touching each wall), at least 3 or 4 feet above the floor.

For stereo good results are usually attained with the speakers 6 to 10 feet apart along the same wall, depending on room size. The speakers should not be so close together as to destroy the stereo effect, nor so far apart as to sound like two separate sources of sound.

The AR-3 may be used in either an upright or horizontal position. If used upright, the large speaker, which is at the end where the brass AR emblem is fastened, should be nearest the floor. The brass emblem may be turned for either vertical or horizontal alignment. The AR-3 should not be stored or used with its face parallel to the floor for prolonged periods.

Adjustment of Level for High-Frequency Speakers Adjust each tweeter level control for best musical balance between treble and bass. (This will vary according to the room and the mounting position in which the speaker is used.) The dots indicate "normal" balance in most rooms.

Amplifier Power Required The AR-3 speaker system has low electro-acoustic efficiency; relatively large amplifier power is required for a given volume of sound.

At least 30 watts of amplifier power is suggested for a single AR-3, and for large rooms and/or high sound levels the use of a 60-watt amplifier is not unreasonable. Remember that it is much easier to overdrive your amplifier into the distortion region when a low-efficiency speaker is used.

For normal stereo use a minimum of 25 watts per channel is recommended.